

ABSTRACT

A transistor photoelectric conversion drive circuit to excite coupled photoelectric conversion device by electric energy driven light emission device or natural light source in the environment to generate electric energy of positive voltage to drive metal-oxide-silicon field effect transistor (MOSFET) or insulated gate bi-carrier transistor (IGBT) or any other high input resistance transistor while electric energy is stored at a slave negative voltage supply circuit device by means of the electric energy of positive voltage so that upon the signal of positive voltage is cut off, negative voltage is inputted to gate and emitter of one or more than one high input resistance transistors to facilitate cutoff.